

Case Study

Lockheed Martin Expands AWS Public Cloud Presence to Drive Innovation with Gigamon



We brought Gigamon in to augment traffic mirroring in our existing environment, which was a challenge. GigaVUE lets us achieve the cloud visibility we need, provided by a team that is highly responsive.

MATTHEW A.

Chief Architect, Computer Incident and Response Team (CIRT), Senior Staff, Lockheed Martin

Challenge

Enhance cloud visibility to improve performance, security, and regulatory compliance

Solution

- GigaVUE Cloud Suite for AWS

Customer Benefits

- Mirrored AWS traffic monitoring and security tools
- Enhanced visibility as pre-requisite to further cloud expansion
- Accelerated root cause analysis to minimize operational expenses
- Customized and scaled cloud observability for multiple AWS regions

About Lockheed Martin Corporation

Headquartered in Bethesda, Maryland, Lockheed Martin Corporation is a global security and aerospace company that employs approximately 114,000 people worldwide and focuses on research, design, development, manufacture, integration and sustainment of advanced technology systems, products, and services. With an annual revenue of \$65.4 billion in 2020, Lockheed Martin provides innovative solutions for aeronautics, missiles and fire control, rotary and mission systems, and space.

Business Challenge

Lockheed Martin is continually striving to accelerate its business and manufacturing processes, and its cloud strategy plays an important role in helping the firm scale its computing, analytics, and collaboration processes. The organization supplements its onpremises infrastructure footprint with public cloud services from Amazon Web Services (AWS). Network visibility is fundamental to ensuring performance, security, and compliance with Cybersecurity Maturity Model Certification (CMMC) and other Department of Defense regulations. The organization was seeking to supplement the visibility provided by AWS native tools to build insight into its full security and management stack.

Resolution

After considering several options, Lockheed Martin deployed GigaVUE® Cloud Suite for AWS to acquire, optimize, and deliver traffic to its monitoring and security tools. The Gigamon Deep Observability Pipeline, the solution was the only option that enabled the firm to make multiple copies of traffic to be inspected by multiple tools, all of which reside in AWS. Lockheed Martin has tailored the solution to its environment to deliver multiple full traffic feeds to tools in certain destinations, as well as filtered feeds with a

subset of traffic to other regions. GigaVUE® V Series virtualized visibility nodes deliver feeds to application and performance monitoring tools, as well as its Open Source-based custom security platform.

Benefit

With GigaVUE® Cloud Suite for AWS in place, the Lockheed Martin security team has deep observability into its AWS environments to ensure security, which otherwise would have been both incomplete and costly. The security team can utilize a common set of tools to monitor both its physical and virtual environments. This consistent approach helped Lockheed Martin ease its transition to the cloud, empowering staff with familiar tools and processes without the need for additional training. The Gigamon solution has benefited the network performance monitoring team as well by enabling it to troubleshoot issues. The data and tools fed by Gigamon enable staff to debug issues faster and perform root cause analysis, saving time and reducing operational expenses. The Gigamon solution provides a strong cost-effective foundation to enable Lockheed Martin to expand its cloud presence and easily support additional traffic loads, applications, and security tools in the cloud as needs evolve.

About Gigamon

Gigamon offers a deep observability pipeline that harnesses actionable network-level intelligence to amplify the power of observability tools. This powerful combination enables IT organisations to assure security and compliance governance, speed root-cause analysis of performance bottlenecks, and lower operational overhead associated with managing hybrid and multi-cloud IT infrastructures. The result: modern enterprises realize the full transformational promise of the cloud. Gigamon serves more than 4,000 customers worldwide, including over 80 percent of Fortune 100 enterprises, nine of the 10 largest mobile network providers, and hundreds of governments and educational organisations worldwide. To learn more, please visit gigamon.com.

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